

RECEIVED
CENTRAL FAX CENTER

JAN 11 2008

Serial no. 10/784,049 - Lima et. al.

IN THE CLAIMS

Amend claims 2-12 and 15-21, as follows;

1. (original) A method for producing activated carbon from poultry manure comprising:

- a) carbonizing poultry manure to produce carbonized manure, and
- b) activating said carbonized manure under conditions effective to produce activated carbon having a BET surface area greater than about 200 m²/g.

2. (currently amended) The ~~process~~ method of claim 1 wherein said poultry manure is selected from the group consisting of poultry cake and poultry litter.

3. (currently amended) The ~~process~~ method of claim 1 further comprising grinding said poultry manure prior to said carbonizing to provide a mixture of substantially uniform sized particles.

4. (currently amended) The ~~process~~ method of claim 3 wherein said poultry manure is ground to about 20 mesh.

Serial no. 10/784,049 - Lima et. al.

5. (currently amended) The ~~process~~ method of claim 3 further comprising pelletizing said mixture of substantially uniform sized particles to provide pelleted manure.

6. (currently amended) The ~~process~~ method of claim 5 wherein said pelleted manure is between approximately 3/16 inch and approximately 3/8 inch in diameter.

7. (currently amended) The ~~process~~ method of claim 1 wherein said carbonizing comprises heating said poultry manure for a period of time and under conditions effective to carbonize said manure.

8. (currently amended) The ~~process~~ method of claim 3 wherein said poultry manure is carbonized in a substantially oxygen-free environment.

9. (currently amended) The ~~process~~ method of claim 1 wherein said activating comprises contacting said carbonized manure with steam.

Serial no. 10/784,049 - Lima et. al.

10. (currently amended) The ~~process~~ method of claim 9 wherein said activating comprises contacting said carbonized manure with steam at a flow rate of between about 0.1 to about 5.0 ml/kg·min, at a temperature between about 700 to about 900°C, for about 15 to about 75 minutes.

11. (currently amended) The ~~process~~ method of claim 10 wherein said stream flow rate is between about 1.0 to about 5.0 ml/kg·min.

12. (currently amended) The ~~process~~ method of claim 1 further comprising washing said activated carbon with mineral acid to remove ash therefrom, and rinsing the washed activated carbon with water.

13. (original) The method of claim 1 wherein said conditions for activating said carbonized manure are effective to produce activated carbon having a BET surface area greater than about 300 m²/g.

Serial no. 10/784,049 - Lima et. al.

14. (original) The method of claim 1 wherein said activated carbon further comprises a phosphate ion content greater than 4.0% by weight.

15. (currently amended) Activated carbon produced by the process method of claim 1.

16. (currently amended) Activated carbon produced by the process method of claim 2.

17. (currently amended) Activated carbon produced by the process method of claim 5.

18. (currently amended) Activated carbon produced by the process method of claim 10.

19. (currently amended) Activated carbon produced by the process method of claim 12.

20. (currently amended) Activated carbon produced by the process method of claim 13.

Serial no. 10/704,049 - Lima et. al.

21. (currently amended) Activated carbon produced by the
process ~~method~~ of claim 14.